

8EHQ-1194-13266

DuPont Central Research
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Haskell Laboratory for Toxicology
and Industrial Medicine
P.O. Box 50, Elkton Road
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DuPont Central Research
and Development



8EHQ-94-13266
INIT 12/05/94

December 1, 1994

A

EXPRESS MAIL- RETURN RECEIPT REQUESTED

Document Processing Center (TS-790)
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U. S. Environmental Protection Agency
401 M Street SW
Washington, D.C. 20460

Contains No CBI



88950000056

Dear 8(e) Coordinator:

This letter is to inform you of the preliminary results of a series of four- and six-hour range-finding inhalation exposures conducted in rats with perfluoropentene-2 (PFP, CAS#72804-49-0) at concentrations of 2800 to 5000 ppm. Immediately after a single six-hour exposure at 5000 ppm, 2 of 6 rats showed severe convulsions over a period of about 10 minutes. One of the convulsing rats subsequently showed hind limb paralysis possibly as a result of an injury incurred during convulsions. No convulsions were observed in other exposures with PFP below 5000 ppm; however, there was a reduced response to a sound stimulus observed when rats were exposed at 2800 ppm and higher.

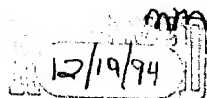
The above clinical signs appear to meet the criteria for substantial risk reporting, as described in EPA's June 1991 "TSCA Section 8(e) Reporting Guide". Note, however, that submission of this information is not meant to imply that DuPont considers these findings to reasonably support a conclusion that exposure to PFP results in a substantial risk to health. Further, PFP is a site-limited research chemical used in closed equipment and there are no merchant sales and hence no public exposure to this compound.

Sincerely,

Charles F. Reinhardt

Charles F. Reinhardt, M.D.
Director

CFR:dj
(302)366-5285



94 DEC -5 PM 6:00



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Dr. Charles F. Reinhardt
E. I. Du Pont De Nemours and Company
Haskell Laboratory for Toxicology and Industrial Medicine
P.O. Box 50, Elkton Road
Newark, Delaware 19714-0050

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

DEC 27 1994

EPA acknowledges the receipt of information submitted by your organization under Section 8(e) of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA §8(e) Document Control Number (e.g., 8EHQ-00-0000) assigned by EPA to your submission(s). Please cite the assigned §8(e) number when submitting follow-up or supplemental information and refer to the reverse side of this page for "EPA Information Requests".

All TSCA §8(e) submissions are placed in the public files unless confidentiality is claimed according to the procedures outlined in Part X of EPA's TSCA §8(e) policy statement (43 FR 11110, March 16, 1978). Confidential submissions received pursuant to the TSCA §8(e) Compliance Audit Program (CAP) should already contain information supporting confidentiality claims. This information is required and should be submitted if not done so previously. To substantiate claims, submit responses to the questions in the enclosure "Support Information for Confidentiality Claims". This same enclosure is used to support confidentiality claims for non-CAP submissions.

Please address any further correspondence with the Agency related to this TSCA §8(e) submission to:

Document Processing Center (7407)
Attn: TSCA Section 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
Washington, D.C. 20460-0001

EPA looks forward to continued cooperation with your organization in its ongoing efforts to evaluate and manage potential risks posed by chemicals to health and the environment.

Sincerely,

Terry R. O'Bryan

Terry R. O'Bryan
Risk Analysis Branch

Enclosure

13266 A



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contains at least 50% recycled fiber

Triage of 8(e) Submissions

Date sent to triage: APR 06 1995

NON-CAP

CAP

Submission number: 13266A

TSCA Inventory:

Y

N

D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO

AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX

SBTOX

SEN

w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX

CTOX

EPI

RTOX

GTOX

STOX/ONCO

CTOX/ONCO

IMMUNO

CYTO

NEUR

Other (FATE, EXPO, MET, etc.):

Notes:

THIS IS THE ORIGINAL 8(e) SUBMISSION; PLEASE REFILE AFTER TRIAGE DATABASE ENTRY

For Contractor Use Only

entire document:

0

1

2

pages

pages

1

Notes:

Contractor reviewer :

UPS

Date:

1/30/95

CECATSTRIDGE TRACKING DBASE ENTRY FORM

CECATS DATA: Submission # SEHQ-1294-13266 SEQ. A

TYPE: INT SUPP FLWP

SUBMITTER NAME: Dupont Central

Research and Development

INFORMATION REQUESTED: FLWP DATE: 12/01/94
 0501 NO INFO REQUESTED
 0502 INFO REQUESTED (TECH)
 0503 INFO REQUESTED (VOL ACTIONS)
 0504 INFO REQUESTED (REPORTING RATIONALE)
 DISPOSITION:
 0639 REFER TO CHEMICAL SCREENING
 0678 CAP NOTICE

VOLUNTARY ACTIONS:
 0601 NO ACTION REFORMED
 0602 STUDIES PLANNED FOR IT ID
 0603 NOTIFICATION OF WORKING METHOD
 0604 LABEL/MSDS (TANGLED)
 0605 PROCESS/AND/ING (TANGLED)
 0606 APPAUSE DISCONTINUED
 0607 PRODUCTION DISCONTINUED
 0608 CONFIDENTIAL

SUB DATE: 12/01/94 OTS DATE: 12/05/94 CSRAD DATE: 12/19/94

CHEMICAL NAME:

Per Fluoropentene-2

CASE#

72804-49-0

INFORMATION TYPE:	P F C	INFORMATION TYPE:	P F C	INFORMATION TYPE:	P F C
0201 ONCO (HUMAN)	01 02 04	0216 EPICLIN	01 02 04	0241 IMMUNO (ANIMAL)	01 02 04
0202 ONCO (ANIMAL)	01 02 04	0217 HUMAN EXPOS (PROD CONTAM)	01 02 04	0242 IMMUNO (HUMAN)	01 02 04
0203 CELL TRANS (IN VITRO)	01 02 04	0218 HUMAN EXPOS (ACCIDENTAL)	01 02 04	0243 CHEM/PHYS PROP	01 02 04
0204 MUTA (IN VITRO)	01 02 04	0219 HUMAN EXPOS (MONITORING)	01 02 04	0244 CLASTO (IN VITRO)	01 02 04
0205 MUTA (IN VIVO)	01 02 04	0220 ECO/AQUA TOX	01 02 04	0245 CLASTO (ANIMAL)	01 02 04
0206 REPRO/ITERATO (HUMAN)	01 02 04	0221 ENV. OCCURREL/FATE	01 02 04	0246 CLASTO (HUMAN)	01 02 04
0207 REPRO/ITERATO (ANIMAL)	01 02 04	0222 EMER INCI OF ENV CONTAM	01 02 04	0247 DNA DAM/REPAIR	01 02 04
0208 NEURO (HUMAN)	01 02 04	0223 RESPONSE REOEST DELAY	01 02 04	0248 PROD/USE/PROC	01 02 04
0209 NEURO (ANIMAL)	01 02 04	0224 PRODCOMP/CHEM ID	01 02 04	0251 MSDS	01 02 04
0210 ACUTE TOX. (HUMAN)	01 02 04	0225 REPORTING RATIONALE	01 02 04	OTHER	01 02 04
0211 CHR. TOX. (HUMAN)	01 02 04	0226 CONFIDENTIAL	01 02 04		
0212 ACUTE TOX. (ANIMAL)	01 02 04	0227 ALLERG (HUMAN)	01 02 04		
0213 SUB ACUTE TOX (ANIMAL)	01 02 04	0228 ALLERG (ANIMAL)	01 02 04		
0214 SUB CHRONIC TOX (ANIMAL)	01 02 04	0229 METAB/PHARMACO (ANIMAL)	01 02 04		
0215 CHRONIC TOX (ANIMAL)	01 02 04	0240 METAB/PHARMACO (HUMAN)	01 02 04		

TRAGE DATA: NON-CBI INVENTORY

YES YES (DROP/REFER)

CAS SR NO NO (CONTINUE)

IN IN IN IN IN

REVIEW

SPECIES

RAT

TOXICOLOGICAL CONCERN:

LOW

MED

HIGH

USE:

PRODUCTION:

Site-limited research

-CPSS-

> <ID NUMBER>
8(E)-13266A

> <TOX CONCERN>
L

> <COMMENT>
ACUTE INHALATION TOXICITY IN RATS IS OF LOW CONCERN. SINGLE 6-
HOUR EXPOSURES OF 2800 PPM TO 5000 PPM TO GROUPS OF 6 RATS EACH
WERE ASSOCIATED SIGNS OF NEUROTOXICITY INCLUDING SEVERE
CONVULSIONS AND HIND LIMB PARALYSIS (2/6 RATS AT 5000 PPM) AND
REDUCED RESPONSE TO SOUND (2800 PPM AND HIGHER). NO DEATHS WERE
NOTED.

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